L Number	Hits	Search Text	DB	Time stamp
1	2189	((138/89) or (138/90)).CCLS.	USPAT;	2003/04/03 13:23
-			US-PGPUB	
2	0	(138/96.r).CCLS.	USPAT;	2003/04/03 13:23
-	Ĭ	(150/7612).00225	US-PGPUB	
,	511	(138/96r).CCLS.	USPAT;	2003/04/03 13:23
3	311	(138/701).CCLS.	US-PGPUB	2005/01/05 15:25
	272	((220/229) or (220/782) or (220/786) or (220/791) or	USPAT;	2003/04/03 13:24
4	372		US-PGPUB	2003/04/03 13:24
_	2545	(220/793)).CCLS.	USPAT;	2003/04/03 13:24
5	2545	(((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)	US-PGPUB	2003/04/03 13.24
	2012	(((130/00) (130/00)) GOLS \ ((130/06-) GOLS \) on	USPAT;	2003/04/03 13:24
6	2912	(((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or		2003/04/03 13.24
		(((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
		(220/793)).CCLS.)	TIODAT	2002/04/02 12 24
7	874297	polypropylene or pp or polyolefin or pe or polyethylene	USPAT;	2003/04/03 13:24
			US-PGPUB	
8	1351194	metal or rubber	USPAT;	2003/04/03 13:25
			US-PGPUB	
9	164831	tab or tabs	USPAT;	2003/04/03 13:25
		`	US-PGPUB	
10	44711	skirt	USPAT;	2003/04/03 13:25
			US-PGPUB	
11	251344	cap	USPAT;	2003/04/03 13:25
			US-PGPUB	
12	1783361	(polypropylene or pp or polyolefin or pe or polyethylene) or (metal	USPAT;	2003/04/03 13:26
		or rubber)	US-PGPUB	
13	2021	((polypropylene or pp or polyolefin or pe or polyethylene) or (metal	USPAT;	2003/04/03 13:26
10		or rubber)) and cap and skirt and (tab or tabs)	US-PGPUB	
14	1362	(((polypropylene or pp or polyolefin or pe or polyethylene) or (metal	USPAT;	2003/04/03 13:27
1,	1002	or rubber)) and cap and skirt and (tab or tabs)) and plurality	US-PGPUB	
15	155	((((polypropylene or pp or polyolefin or pe or polyethylene) or	USPAT;	2003/04/03 13:33
15	133	(metal or rubber)) and cap and skirt and (tab or tabs)) and	US-PGPUB	
		plurality) and pipe		
16	1031	(((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 13:33
10	1031	(((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
		((220/793)).CCLS.)) and ((polypropylene or pp or polyolefin or pe or	0010102	
		polyethylene) or (metal or rubber))		
1.7	254	(((((138/89) or (138/90)).CCLS.)) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 13:34
17	254	((((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	2003/01/02 12:21
	•	((220/793)).CCLS.)) and (tab or tabs)	05-1 01 02	
10	198	1	USPAT;	2003/04/03 13:34
18	198	((((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	2005/04/05 15:51
			05-1 01 05	
10	105	(220/793)).CCLS.)) and skirt (((((((138/89) or (138/90)).CCLS.)) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 13:34
19	185		US-PGPUB	2003/04/03 13.34
		(((220/229) or (220/782) or (220/786) or (220/791) or	03-10105	
		(220/793)).CCLS.)) and (tab or tabs)) and (((((138/89) or		
-		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and		
		((polypropylene or pp or polyolefin or pe or polyethylene) or (metal		
		or rubber)))	TIODAT.	2002/04/02 12:27
20	53		USPAT;	2003/04/03 13:37
		(((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
		(220/793)).CCLS.)) and skirt) and (((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
,		or tabs)) and (((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber))))		

				·
21	132	((((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 13:45
		(((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
		(220/793)).CCLS.)) and (tab or tabs)) and ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and		
		((polypropylene or pp or polyolefin or pe or polyethylene) or (metal		
		or rubber)))) not (((((((138/89) or (138/90)).CCLS.) or		
	ĺ	((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and skirt) and ((((((138/89) or		
1		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		,
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) and (((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber)))))		
22	4	("3208620"   "3297193"   "3716162"   "3759415").PN.	USPAT	2003/04/03 13:42
25	185	((((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 13:46
		(((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
		(220/793)).CCLS.)) and (tab or tabs)) and ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and		
		((polypropylene or pp or polyolefin or pe or polyethylene) or (metal		
		or rubber)))) or ((((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and skirt) and (((((((138/89) or		
•		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) and (((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber)))))		
26	145	(((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 13:57
		((((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
		(220/793)).CCLS.)) and skirt) not (((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) and ((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber)))) or		
		(((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or		
		((((220/229) or (220/782) or (220/786) or (220/791) or		
		((220/793)).CCLS.)) and skirt) and (((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) and ((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber))))))		
27	10	("1498563"   "1853946"   "2073584"   "2121436"   "2196454"	USPAT	2003/04/03 13:52
"	.0	"2977993"   "3485271"   "3490488"   "3496964"   "3744528").PN.		
37	5	("2596182"   "2956822"   "3048911"   "3254153"   "0891109").PN.	USPAT	2003/04/03 13:54
43	3	("1894711"   "2157867"   "2956822").PN.	USPAT	2003/04/03 13:55
47	14	1 2	USPAT	2003/04/03 13:56
				<del> </del>

48	330	(((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 13:58
40	330	(((((136/89) or (136/80)).cebs.) or ((136/80)).cebs.) or ((136/80)).cebs.) or ((136/80)).cebs.) or ((136/80)).cebs.) or (220/791) or	US-PGPUB	
İ	j j	((220/793)).CCLS.)) and skirt) or ((((((((138/89) or	001000	
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) and ((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
[		polyolefin or pe or polyethylene) or (metal or rubber)))) or		
		((((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or		
1		((((220/229) or (220/782) or (220/786) or (220/791) or		
		(220/793)).CCLS.)) and skirt) and ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
	]	(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) and ((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber))))))		
49	51	(((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 14:01
,,		(((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
	] ]	(220/793)).CCLS.)) and (tab or tabs)) not ((((((138/89) or		
	<b> </b>	(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
	}	(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and		
		skirt) or (((((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.))		
		or (((220/229) or (220/782) or (220/786) or (220/791) or		
		(220/793)).CCLS.)) and (tab or tabs)) and ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and		
		((polypropylene or pp or polyolefin or pe or polyethylene) or (metal	:	
		or rubber)))) or ((((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and skirt) and (((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)). CCLS.)) and (tab		
		or tabs)) and (((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)). CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber)))))))		
50	381	(((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 14:01
,		(((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
		(220/793)).CCLS.)) and (tab or tabs)) or (((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and		
		skirt) or (((((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.))		
		or (((220/229) or (220/782) or (220/786) or (220/791) or		
		(220/793)).CCLS.)) and (tab or tabs)) and ((((((138/89) or		
1		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)). CCLS.)) and		
1		((polypropylene or pp or polyolefin or pe or polyethylene) or (metal		
		or rubber)))) or (((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)). CCLS.)) and skirt) and ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) and ((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
i		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber)))))))		

51	759	(((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 14:21
31	139	(((((136/89) or (136/89)).ee22.)) or ((136/89) or (220/786) or (220/791) or	US-PGPUB	
	·	((220/793)).CCLS.)) and ((polypropylene or pp or polyolefin or pe or	0510105	
		polyethylene) or (metal or rubber))) not (((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) or ((((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and skirt) or ((((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
	1	or tabs)) and (((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)). CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber)))) or		
		((((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or		
		(((220/229) or (220/782) or (220/786) or (220/791) or		
		(220/793)).CCLS.)) and skirt) and ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)). CCLS.)) and (tab		
		or tabs)) and ((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber))))))))		
52	1140	(((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 14:22
32	1140	((((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
		((220/793)).CCLS.)) and ((polypropylene or pp or polyolefin or pe or	0010102	
		polyethylene) or (metal or rubber))) or ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) or (((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)) CCLS.)) and skirt) or (((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		1
		or tabs)) and ((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber)))) or	1	
		(((((((((138/89) or (138/90)).CCLS.)) or ((138/96r).CCLS.)) or		
		(((220/229) or (220/782) or (220/786) or (220/791) or		
		(220/793)).CCLS.)) and skirt) and ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) and (((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)). CCLS.)) and ((polypropylene or pp or		
i	1	polyolefin or pe or polyethylene) or (metal or rubber))))))))	1	I

53	1772	((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or	USPAT;	2003/04/03 14:22
		(((220/229) or (220/782) or (220/786) or (220/791) or	US-PGPUB	
		(220/793)).CCLS.)) not (((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
	1	(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or		
		polyolefin or pe or polyethylene) or (metal or rubber))) or		
		((((((((138/89) or (138/90)).CCLS.) or ((138/96r).CCLS.)) or		
		(((220/229) or (220/782) or (220/786) or (220/791) or		
		(220/793)).CCLS.)) and (tab or tabs)) or ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and		
		skirt) or (((((((((((138/89) or (138/90)).CCLS.)) or ((138/96r).CCLS.))		
		or (((220/229) or (220/782) or (220/786) or (220/791) or		
		(220/793)).CCLS.)) and (tab or tabs)) and ((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and		
		((polypropylene or pp or polyolefin or pe or polyethylene) or (metal		
		or rubber)))) or ((((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
		(220/791) or (220/793)).CCLS.)) and skirt) and (((((((138/89) or		
		(138/90)).CCLS.) or ((138/96r).CCLS.)) or (((220/229) or		
		(220/782) or (220/786) or (220/791) or (220/793)).CCLS.)) and (tab		
		or tabs)) and ((((((138/89) or (138/90)).CCLS.) or		
		((138/96r).CCLS.)) or (((220/229) or (220/782) or (220/786) or		
	1	(220/791) or (220/793)).CCLS.)) and ((polypropylene or pp or	1	
		polyolefin or pe or polyethylene) or (metal or rubber))))))))		